

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
25 October 2001 (25.10.2001)

PCT

(10) International Publication Number  
WO 01/78735 A1

(51) International Patent Classification<sup>7</sup>: A61K 31/565,  
31/165, A61P 11/00 // (A61K 31/565, 31:165)

(21) International Application Number: PCT/GB01/01656

(22) International Filing Date: 12 April 2001 (12.04.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0009046.4 13 April 2000 (13.04.2000) GB  
0105967.4 10 March 2001 (10.03.2001) GB

(71) Applicant (for all designated States except US): INNO-  
VATA BIOMED LIMITED [GB/GB]; The Ziggurat,  
Grosvenor Road, St. Albans AL1 3HW (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SANDERS, Mark  
[GB/GB]; The Ziggurat, Grosvenor Road, St Albans AL1  
3HW (GB).

(74) Agent: HARRISON GODDARD FOOTE; Tower  
House, Merriion Way, Leeds LS2 8PA (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KB, KG, KP, KR, KZ, LC, LK,  
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

WO 01/78735 A1

(54) Title: MEDICAMENTS FOR TREATING RESPIRATORY DISORDERS COMPRISING FORMOTEROL AND FLUTICA-  
SONE

(57) Abstract: There is described a method of treating or alleviating a respiratory disorder which comprises administering an effective amount of the active ingredients formoterol, or a pharmaceutically acceptable salt thereof, and fluticasone, or a pharmaceutically acceptable ester thereof, separately, sequentially or simultaneously, provided that the active ingredients comprise separate compositions. There is also described a dry powder inhaler containing formoterol, or a pharmaceutically acceptable salt thereof, and fluticasone, or a pharmaceutically acceptable ester thereof, which may be administered separately, sequentially or simultaneously, provided that they are administered as separate compositions